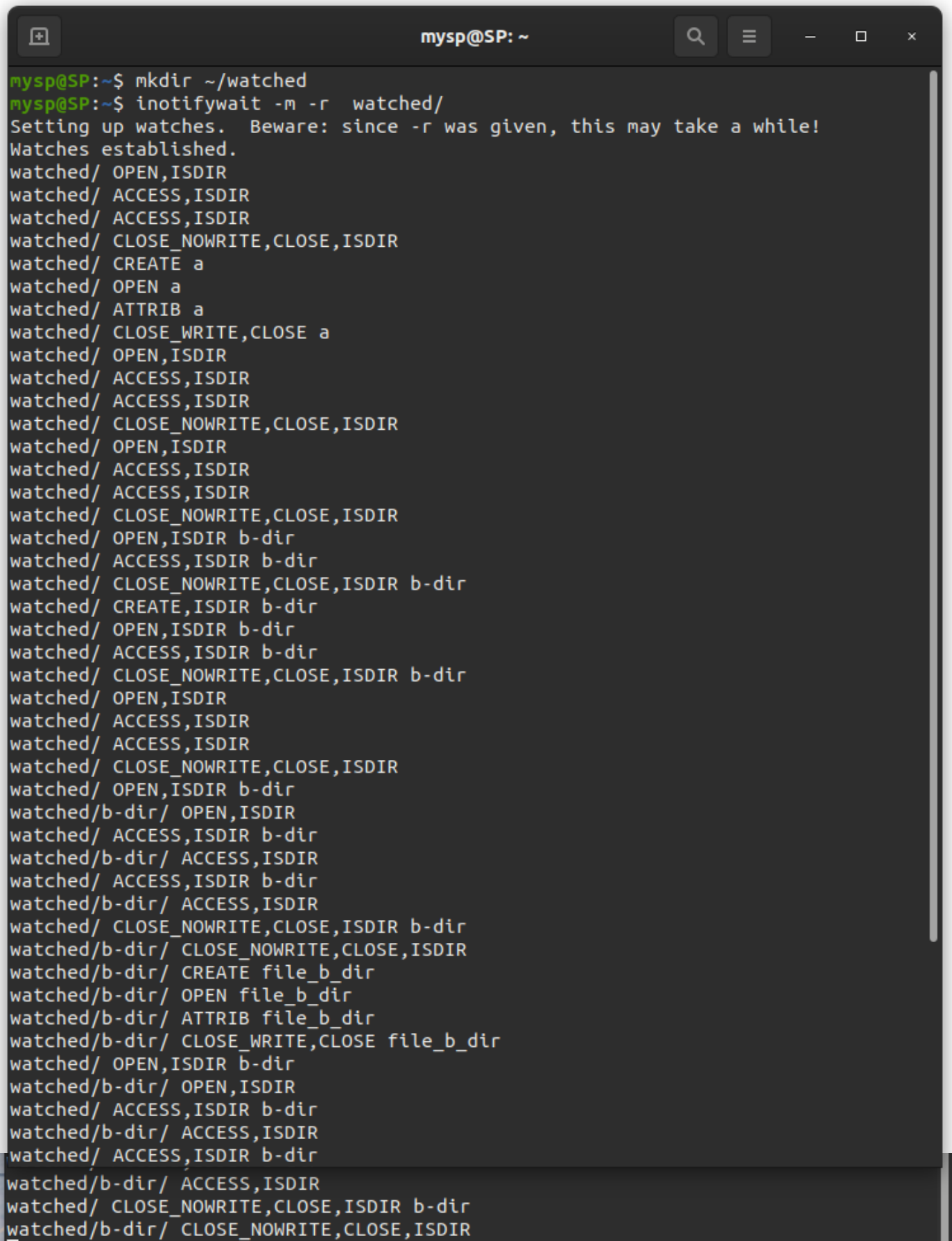1. 請用螢幕截圖的方式將「丁～辛」放到你的報告中

丁. 開啟另一個terminal，在watched目錄裡面建立檔案，例如使用『touch a』，建立目錄，例如使用『mkdir b-dir』，進入b-dir『cd b-dir』在b-dir內建立一個檔案『touch file_in_bdir』，看看inotifywait有哪些訊息

```
mysp@SP:~$ mkdir ~/watched
mysp@SP:~$ inotifywait -m -r  watched/
Setting up watches.  Beware: since -r was given, this may take a while!
Watches established.
watched/ OPEN,ISDIR
watched/ ACCESS,ISDIR
watched/ ACCESS,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ CREATE a
watched/ OPEN a
watched/ ATTRIB a
watched/ CLOSE_WRITE,CLOSE a
watched/ OPEN,ISDIR
watched/ ACCESS,ISDIR
watched/ ACCESS,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR
watched/ ACCESS,ISDIR
watched/ ACCESS,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/ ACCESS,ISDIR b-dir
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/ CREATE,ISDIR b-dir
watched/ OPEN,ISDIR b-dir
watched/ ACCESS,ISDIR b-dir
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/ OPEN,ISDIR
watched/ ACCESS,ISDIR
watched/ ACCESS,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ ACCESS,ISDIR b-dir
watched/b-dir/ ACCESS,ISDIR
watched/ ACCESS,ISDIR b-dir
watched/b-dir/ ACCESS,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/b-dir/ CREATE file_b_dir
watched/b-dir/ OPEN file_b_dir
watched/b-dir/ ATTRIB file_b_dir
watched/b-dir/ CLOSE_WRITE,CLOSE file_b_dir
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ ACCESS,ISDIR b-dir
watched/b-dir/ ACCESS,ISDIR
watched/ ACCESS,ISDIR b-dir
watched/b-dir/ ACCESS,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
```

戊. 在b目錄底下執行vim，看看會出現什麼樣的訊息

```
mysp@SP:~$ inotifywait -m -r  watched/
Setting up watches.  Beware: since -r was given, this may take a while!
Watches established.
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
```



```
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
```



```
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
```

執行vim產生的訊息
分三段截圖

己. cat file_in_bdir會出現什麼訊息

```
mysp@SP:~$ inotifywait -m -r  watched
Setting up watches.  Beware: since -r was given, this may take a while!
Watches established.
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ ACCESS,ISDIR b-dir
watched/b-dir/ ACCESS,ISDIR
watched/ ACCESS,ISDIR b-dir
watched/b-dir/ ACCESS,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/b-dir/ OPEN file_b_dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE file_b_dir
```

庚.echo hello >> file_in_bdir會出現什麼訊息

```
mysp@SP:~$ inotifywait -m -r  watched
Setting up watches.  Beware: since -r was given, this may take a while!
Watches established.
watched/b-dir/ OPEN file_b_dir
watched/b-dir/ MODIFY file_b_dir
watched/b-dir/ CLOSE_WRITE,CLOSE file_b_dir
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ ACCESS,ISDIR b-dir
watched/b-dir/ ACCESS,ISDIR
watched/ ACCESS,ISDIR b-dir
watched/b-dir/ ACCESS,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
```

辛.『sudo inotifywait -m -r /』會出現什麼訊息

```
mysp@SP:~$ inotifywait -m -r  watched
Setting up watches.  Beware: since -r was given, this may take a while!
Watches established.
watched/ OPEN,ISDIR
watched/ ACCESS,ISDIR
watched/ OPEN,ISDIR b-dir
watched/b-dir/ OPEN,ISDIR
watched/ ACCESS,ISDIR b-dir
watched/b-dir/ ACCESS,ISDIR
watched/ ACCESS,ISDIR b-dir
watched/b-dir/ ACCESS,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR b-dir
watched/b-dir/ CLOSE_NOWRITE,CLOSE,ISDIR
watched/ ACCESS,ISDIR
watched/ CLOSE_NOWRITE,CLOSE,ISDIR
```